Title (en)

Method of controlling the operation of a fuel metering unit and such a unit

Title (de)

Verfahren zur Regelung einer Kraftstoffzumesseinheit sowie eine solche Einheit

Title (fr)

Procédé de contrôle d'un dispositif de mesure de carburant et un tel dispositif

Publication

EP 2441940 A3 20160210 (EN)

Application

EP 11250840 A 20111007

Priority

GB 201017166 A 20101012

Abstract (en)

[origin: EP2441940A2] A method of controlling the operation of a fuel metering unit of the type incorporating a metering valve (12) and a temperature sensor (30) is disclosed, the method comprising the steps of: sensing a change in temperature; using the sensed change in temperature to derive a fast temperature correction factor (36c); using the sensed change in temperature to derive a slow temperature correction factor (38c); using the fast and slow temperature correction factors (36c, 38c) in combination with a fuel demand (34a) to determine a metering valve position; and moving the metering valve (12) to the determined metering valve position.

IPC 8 full level

F02C 9/26 (2006.01); **F02C 7/232** (2006.01)

CPC (source: EP US)

F02C 9/263 (2013.01 - EP US); **F02C 9/28** (2013.01 - EP US); F05D 2270/303 (2013.01 - EP US); F05D 2270/708 (2013.01 - EP US); Y10T 137/0324 (2015.04 - EP US); Y10T 137/7737 (2015.04 - EP US)

Citation (search report)

- [XI] US 6148601 A 20001121 - JONES ANTHONY CHARLES [US], et al
- [XA] EP 1013891 A1 20000628 - UNITED TECHNOLOGIES CORP [US]
- [AD] US 2009301575 A1 20091210 - ARNETT ERIC M [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2441940 A2 20120418; **EP 2441940 A3 20160210**; **EP 2441940 B1 20181212**; GB 201017166 D0 20101124; US 2012085421 A1 20120412; US 9163563 B2 20151020

DOCDB simple family (application)

EP 11250840 A 20111007; GB 201017166 A 20101012; US 201113269801 A 20111010